

IBM posts SPEC CPU2006 scores for x3690 X5 with MAX5

IBM System x3690 X5 with MAX5 memory expansion delivers leadership scores for a system using two Intel Xeon X7560 processors

November 18, 2010 ... IBM® has published SPEC® CPU2006 benchmark scores for the IBM System x®3690 X5 with MAX5, an external memory expansion chassis, which features eX5, the fifth generation of IBM X-Architecture®, and the new Intel® Xeon® 7500 Series processors.

The x3690 X5 delivered SPECint_rate2006, SPECint_rate_base2006, SPECfp_rate2006 and SPECfp_rate_base2006 scores that are leadership for a server using two Intel Xeon X7560 processors.

The x3690 X5 was configured with two Intel Xeon X7560 processors (2.26GHz, 24MB L3 cache per processor—2 processors/16 cores/32 threads), a total of 256GB of DDR3 PC3-8500R memory (128GB in the server and 128GB in the MAX5 memory expansion unit), and SUSE Linux® Enterprise Server 11 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for this x3690 X5 using MAX5 memory expansion.

SPEC CPU2006 Benchmark	IBM System x3690 X5 with Two Intel Xeon X7560 Processors – 2.26GHz
SPECint_rate2006	399
SPECint_rate_base2006	365
SPECfp_rate2006	300
SPECfp_rate_base2006	287

The x3690 X5 server is a new generation of the IBM Enterprise X-Architecture, delivering innovative technology that can help clients maximize memory, minimize cost, and simplify deployment. This new addition to the System x product line is a 2-socket, 2U rack server that supports the latest 4-, 6- and 8-core Intel Xeon processors, PCI-e architecture, and high-speed DDR3 memory. The external MAX5 memory chassis provides unprecedented memory expansion by decoupling server memory from system processors allowing optimal server performance. Designed for extremely complex, compute-intensive applications requiring 2-socket plus processing power and large memory support, they are ideal for virtualized environments, database applications, and enterprise computing applications.

Results are current as of November 18, 2010. The scores have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. View all published results at <http://www.spec.org/cpu2006/results/>.

(1) The x3690 X5 with MAX5 as configured for this benchmark is generally available.

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